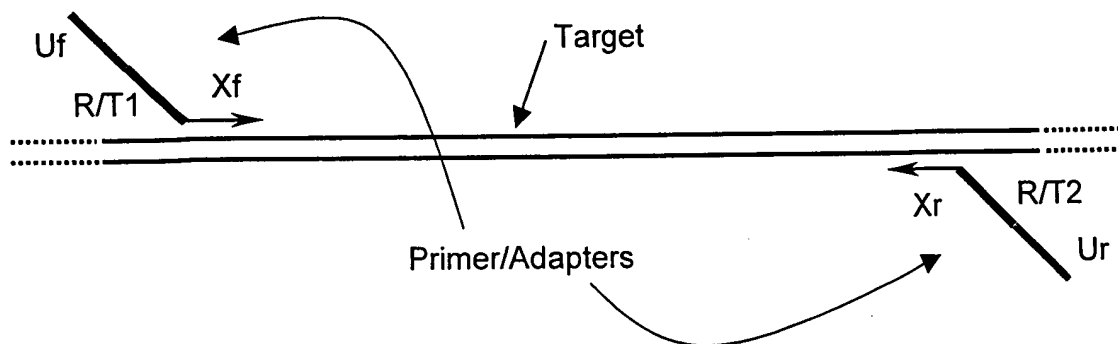


FIG. 1

1) PCR with low concentrations of target-specific primer/adapters



2) PCR with high concentrations of universal primers

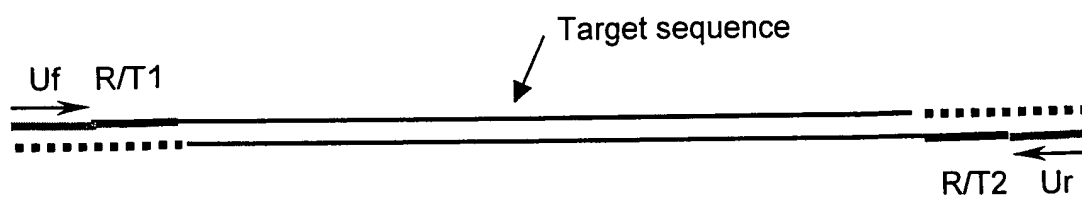
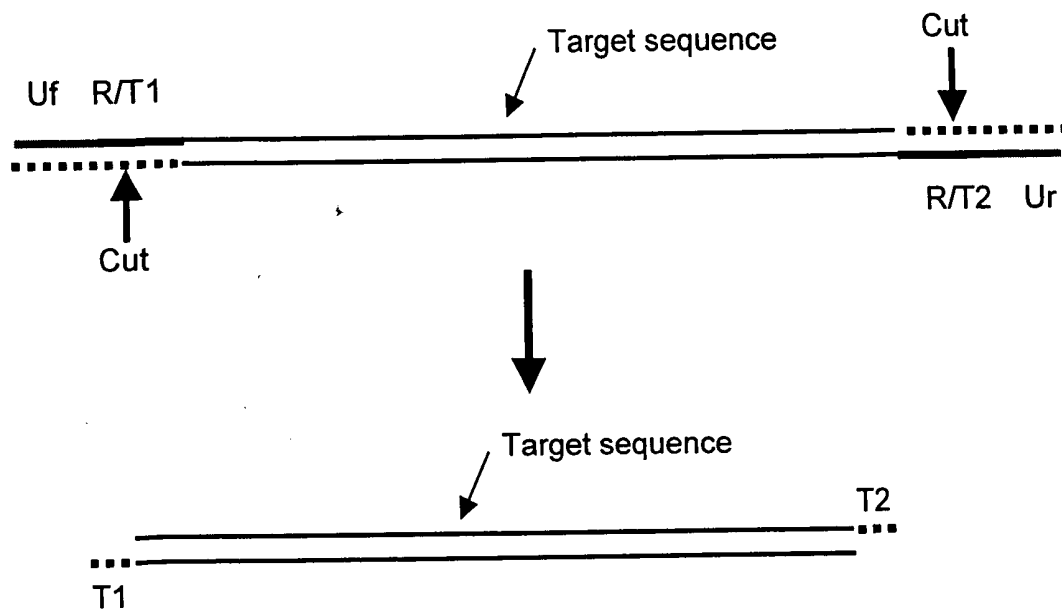


FIG. 2  
(1 OF 3)

3) Digest with restriction enzyme, leaving tag sequences in the 3' overhangs at the ends of the target sequence



4) Capture target sequence on either or both of two partially duplex probes, complementary to tags T1 or T2.

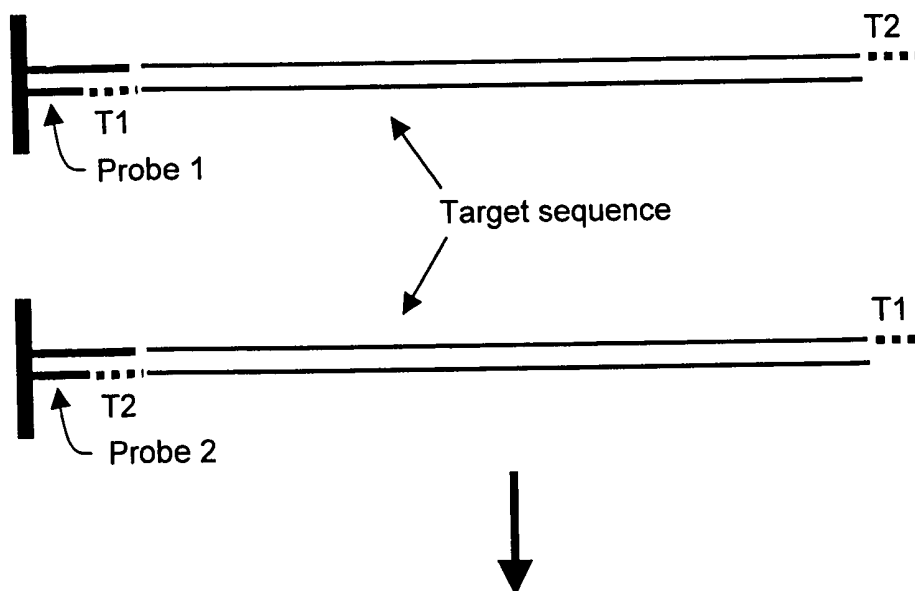
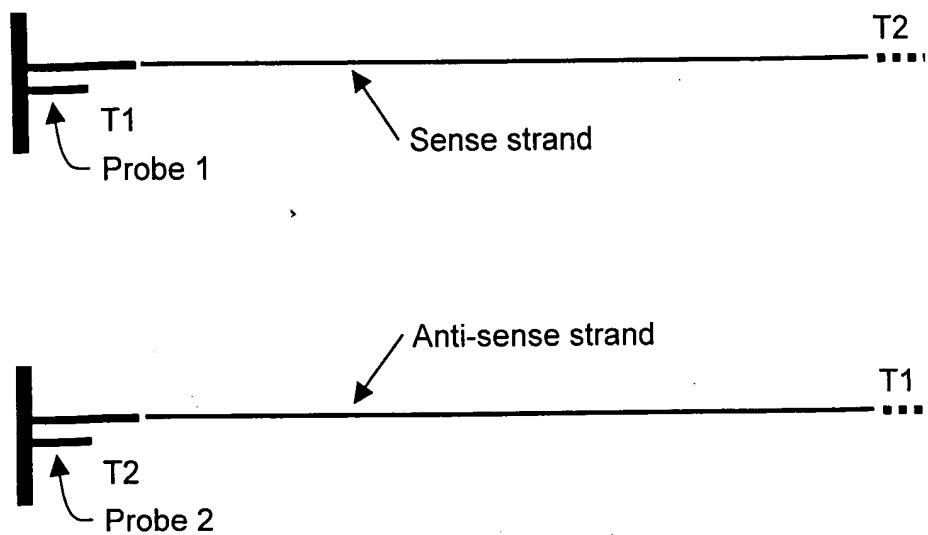


FIG. 2

(2 OF 3)

004720" 28/97960

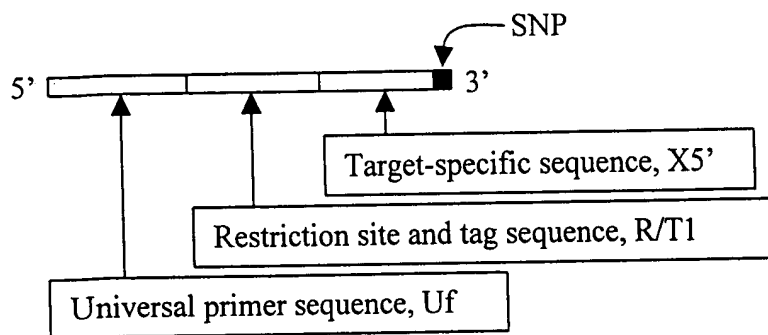
5) Ligate and wash with high stringency to leave one strand of target sequence on each of the two probes



**FIG. 2**  
**(3 OF 3)**

00470" 28/9T960

3A



3B

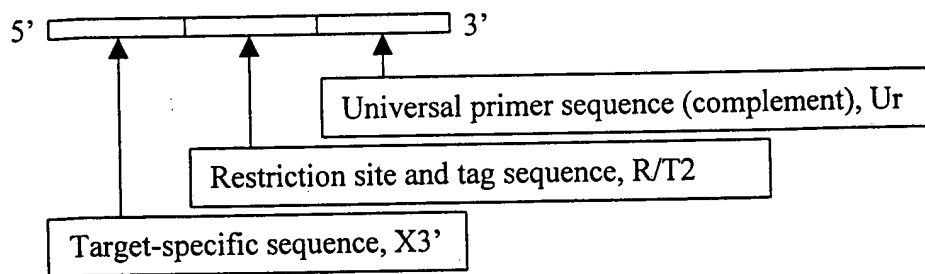


FIG. 3A-B

09516787.071400

1) Hybridization and ligation of 5' Probe/Primer and 3' Probe/Primer to denatured (single-stranded) target sequence

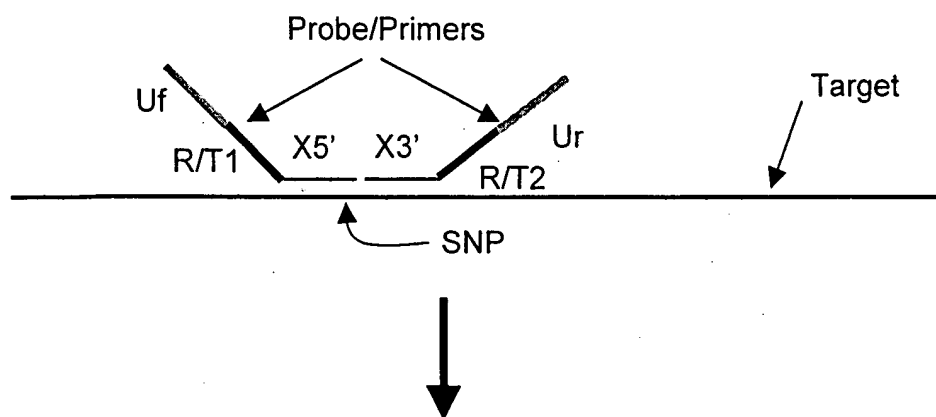
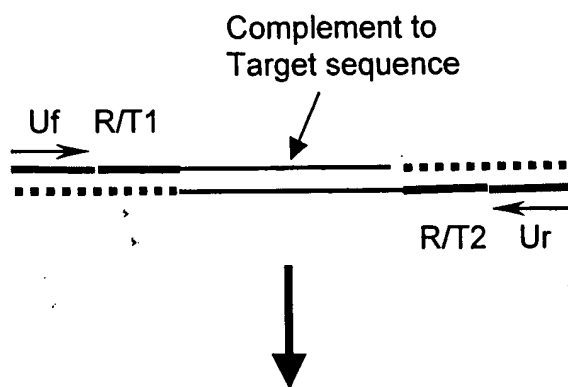


FIG 4  
(1 OF 3)

2) PCR with high concentrations of universal primers, Uf and Ur



3) Digest with restriction enzyme, leaving tag sequences in the 3' overhangs at the ends of the target sequence

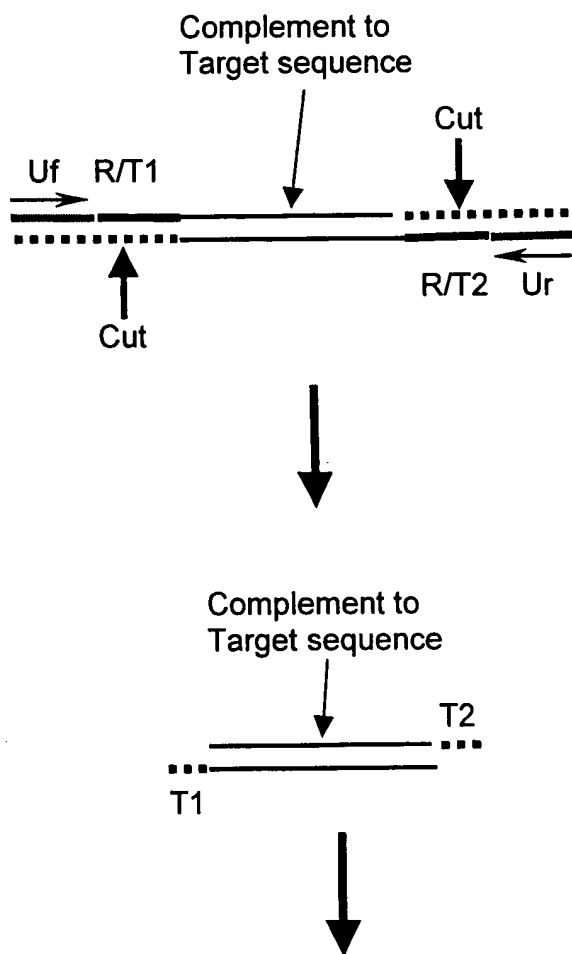
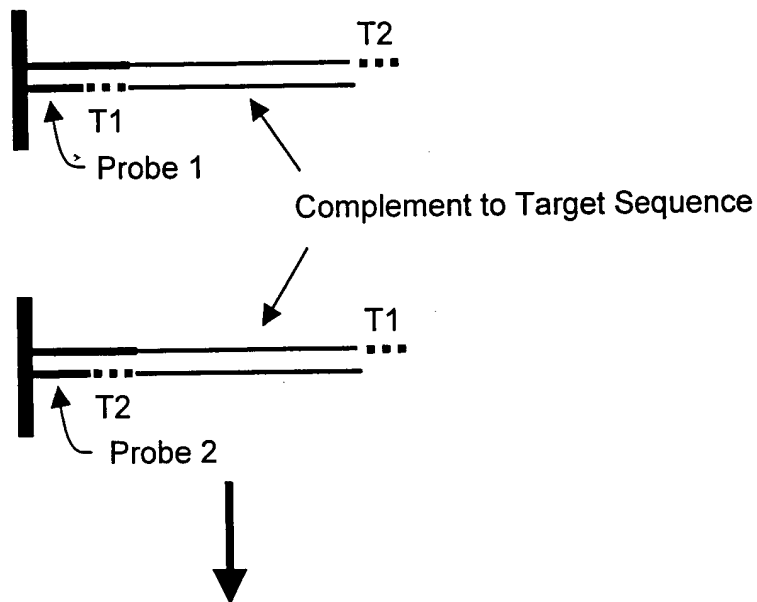


FIG. 4  
(2 OF 3)

4) Capture target sequence on either or both of two partially duplex probes, complementary to tags T1 or T2.



5) Ligate and wash with high stringency to leave one strand of target sequence on each of the two probes

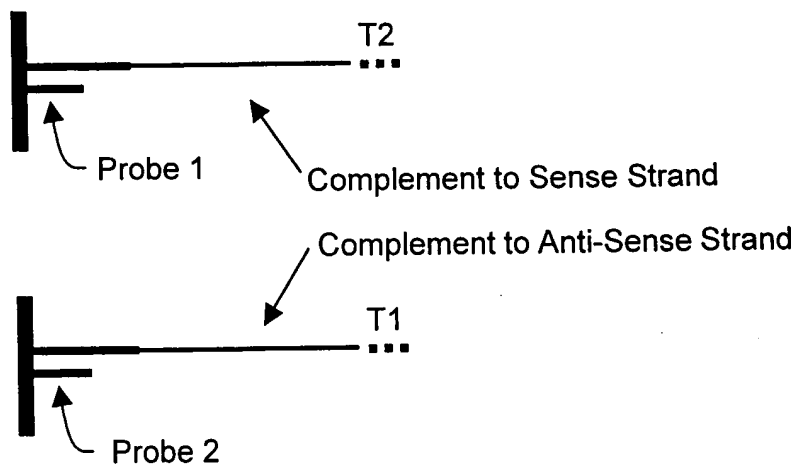


FIG. 4  
(3 OF 3)



004720" 28/9T960

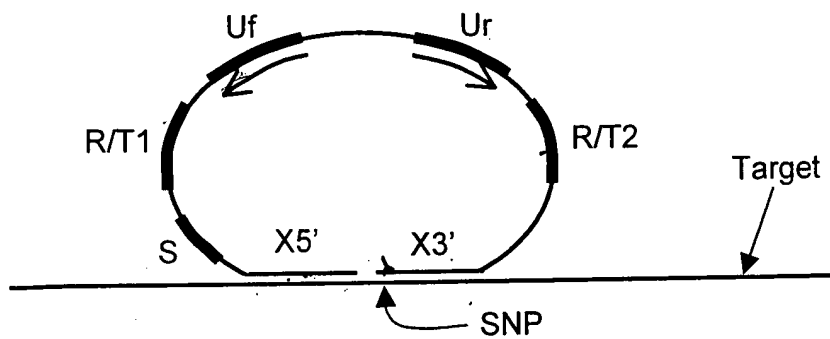


FIG. 5

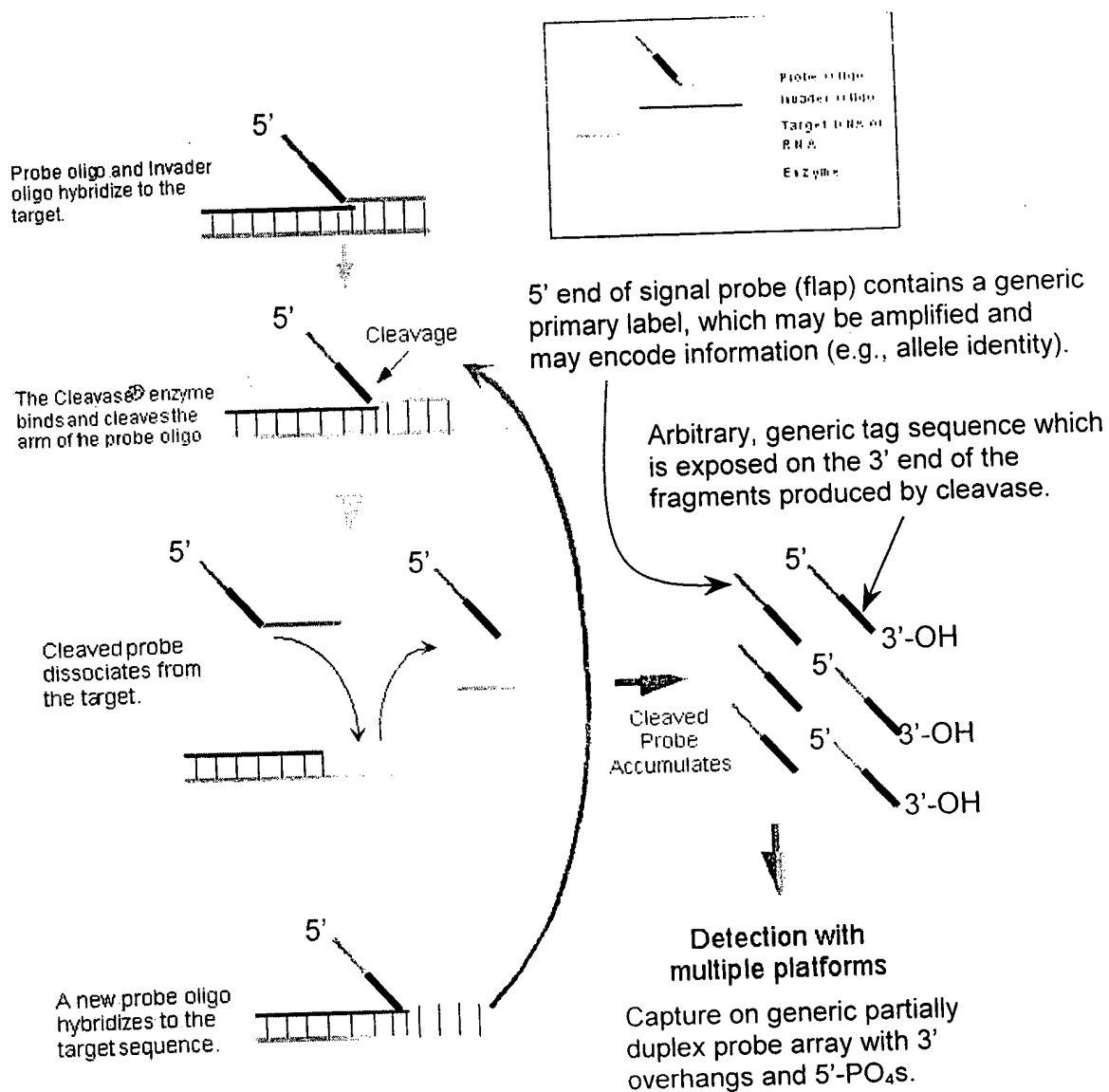


FIG. 6